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County Borough of



West Hartlepool

ANNUAL REPORT

upon the

Health of West Hartlepool

FOR THE YEAR 1938

BY

JOHN W. McKEGGIE,

M.B., Ch.B., D.P.H.,
MEDICAL OFFICER OF HEALTH,
TUBERCULOSIS OFFICER,
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REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1938

PUBLIC HEALTH DEPARTMENT,
VICTORIA ROAD,
WEST HARTLEPOOL,
JULY, 1939.

*To the Mayor, Aldermen and Councillors of the
County Borough of West Hartlepool.*

I have the honour to submit my ninth annual report on the health and sanitary circumstances of the County Borough of West Hartlepool.

The vital statistics vary slightly from last year.

The birth rate is slightly higher and the death rate slightly lower, as is also the infantile mortality rate.

Scarlet Fever showed a slight increase with no deaths, and Diphtheria showed an increased incidence with eleven deaths.

Cancer deaths continued to show a fairly large proportion of the total deaths with a slight increase for the year. Legislation will be in force in 1940, whereby local authorities must make arrangements for the diagnosis and treatment of this disease.

The Registrar-General estimates a slight increase in the population this year.

The statistical figures appear under the appropriate headings throughout the report.

A very substantial portion of the time of the whole department was devoted to A.R.P. work, and at the moment of writing the Government have requested your Officers to concentrate on A.R.P. for a matter of three months. Therefore for this reason and because of pressure of work, the annual report will not be as detailed as it might have been.

On the whole, the year's work has been quite successful, and I wish to express my appreciation of the interest and help of all concerned, Councillors and Colleagues, during the very trying year through which we have passed.

I am, Lady, and Gentlemen,
Your obedient servant,
J. W. McKEGGIE,
Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (acres)	...	...	...	...	...	...	4,473
Population (Census 1931)	...	...	...	...	...	...	68,134
Population (Registrar-General's Estimate, 1938)	...	...	...	...	...	...	70,360
(The calculations in this Report are based on the latter figure).							
Number of Inhabited Houses on 31st Dec., 1938, according							
to the Rate Books	...	...	...	...	...	...	19,000
Rateable Value (1st April, 1938)	...	...	...	...	...	...	£372,014
Sum represented by a Penny Rate	...	...	...	...	...	...	£1,389
Birth Rate	...	...	...	...	...	...	19.43
Death Rate	...	...	...	...	...	...	12.75
Infantile Mortality Rate	...	...	...	...	...	...	58.52
Death Rate as requested by Minister of Health	$12.75 \times 1.11 =$						14.15

EXTRACTS FROM VITAL STATISTICS FOR THE YEAR.

	Total	Male	Female	
Live births—				} Birth Rate per 1,000 of the estimated resident population—19·43.
Legitimate ...	1315 ...	670 ...	645 ...	
Illegitimate ...	52 ...	25 ...	27 ...	
Stillbirths 48.	Rate per 1,000 total births 35·1.			
Deaths 897.	Death rate per 1,000 of the estimated resident population—			
	Crude Rate	..	12·75	
	Standard Rate	...	14·15	
Deaths from puerperal causes—				
	From Sepsis ...	...	1	
	From other causes	...	3	
			—	
		Total	4	
			==	

Death Rate of Infants under one year of age :—

All Infants per 1,000 live births—

Legitimate—55.59. Illegitimate—2.93. Total—58.52.

Deaths from Measles (all ages)	...	...	...	11
Deaths from Whooping Cough (all ages)	...	...	...	...
Deaths from Diarrhoea (under two years of age)	...	...	...	4

HEALTH COMMITTEE.

1937-38.

ALDERMAN E. BLOOM (*Chairman*).
 ALDERMAN T. GREEN (*Vice-Chairman*).
 ALDERMAN J. W. J. RICHARDSON.
 COUNCILLOR A. W. ABIGAIL.
 COUNCILLOR V. D'ALBY.
 COUNCILLOR W. S. DONAGHY.
 COUNCILLOR J. FENWICK.
 COUNCILLOR T. GOWLER.
 COUNCILLOR T. W. PINKNEY.
 COUNCILLOR P. M. WILLIAMS.
 COUNCILLOR G. STEVENSON.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.
 PUBLIC HEALTH STAFF.

Medical Officer of Health, School Medical Officer, etc.—

* J. W. McKEGGIE, M.B., Ch.B., D.P.H.

Deputy Medical Officer of Health—

* WM. V. MACFARLANE, M.D., Ch.B., D.P.H.

Assistant Medical Officer of Health—

* KATHERINE D. MACFARLANE, M.B., Ch.B.

Consultant Obstetric Surgeons—

* Mr. H. HARVEY EVERS (Newcastle-on-Tyne).

* Mr. WM. HUNTER „ „

* Mr. E. FARQUHAR MURRAY „ „

* Mr. F. STABLER „ „

Consultants, Puerperal Pyrexia Regulations—

* A. C. AINSLEY, F.R.C.S., L.R.C.P.

* J. E. ENGLISH, M.B., B.Ch., B.A.O.R.U.I.

Ophthalmic Surgeon (part-time)—

* F. S. HUBBERSTY, M.R.C.S., L.R.C.P., F.R.C.S.

Aural Specialist (part-time)—

* R. M. MARSHALL, M.B., Ch.B., F.R.C.S.

School Dentists—

* A. G. WILDGOOSE, L.D.S.

* Miss M. I. MANLEY, L.D.S.

Veterinary Surgeon (part-time)—

H. HICKS, M.R.C.V.S.

Sanitary Inspectors and Inspectors under Food and Drugs Acts—

J. T. DURKIN, C.R.S.I.

H. V. ROBINSON, C.R.S.I.

I. PRICE, Cert.S.I.B.

J. R. LISTER, Cert.S.I.B.

R. E. V. WARRAND, Cert.S.I.B. Resigned 1.9.38.

J. LIGHTFOOT, Cert.S.I.B. Appointed 21.10.38.

Health Visitors—

* MISS A. G. TODD (General and Fever Trained, Certified Midwife,
Health Visitors' Certificate).

* MISS A. S. BAGSHAW (General Trained, Cert. Midwife, H.V.Cert.)

* MISS E. PEACOCK do.

* MISS M. WILKINSON do.

* MISS J. BUTLER do. Resigned 1.10.38

* MISS F. ALLISON do.

* MISS M. STEVENSON do.

Matron, Grantully Maternity Home—

MISS J. WIGHT (General trained, Certified Midwife).

Matron, Isolation Hospital—

MRS. A. JONES (General and Fever Trained).

School Nurses—

* MISS E. WITTEN (General Trained, Reg. Sick Children's Nurse).

* MISS M. LATIMER, S.R.N., R.S.C.N. Appointed 5.1.38.

* MISS O. MAVIN, S.R.N., S.C.M. Appointed 5.1.38.

Clerks—

A. TRENHOLM.

MISS H. A. RIGBY.

MISS L. JARROLD.

MISS M. MACE.

MISS N. MOWBRAY.

MISS N. MURDY.

Appointed 23.5.38.

Apprentice Sanitary Inspectors—

C. BOWLT.

J. EDWARDS.

Student Sanitary Inspectors—

E. PHILBIN.

J. MANN

Appointed 1.10.38

Superintendent, Public Abattoir—

H. J. STOTT.

Public Analyst (part-time)—

C. J. H. STOCK, B.Sc., F.I.C.

Venereal Diseases Attendant—

B. R. PEARSON.

Disinfectors—

T. HODGSON.

F. LUMLEY.

HOWBECK INFIRMARY.

Senior Medical Officer—

H. M. MACGILL, M.D., C.M.

Retired 7.4.38.

W. A. NICHOLSON, M.R.C.S., L.R.C.P.

Appointed 8.4.38.

Surgeon—

A. C. AINSLEY, F.R.C.S., L.R.C.P.

Resident Medical Officers—

N. M. WILLIAMS, B.Sc., M.B., B.Ch.

Resigned 1.9.38.

F. R. MACINTOSH, M.B., Ch.B., M.A.

Appointed 1.10.38.

District Medical Officers under Poor Law Acts—

R. W. HILLIS, L.R.C.P.I. & L.M., L.R.C.S.I. & L.M.

A. R. MUIR, M.R.C.S., L.R.C.P.

G. S. MATHER, M.B., Ch.B., D.P.H.

* Contributions to salaries from Exchequer Grants.

LEGISLATION IN FORCE.

LIST OF LOCAL ACTS, ADOPTIVE ACTS, BYELAWS AND LOCAL REGULATIONS RELATING TO PUBLIC HEALTH.

LOCAL ACTS :—

West Hartlepool Extension and Improvement Act, 1870.

West Hartlepool Corporation Act, 1931.

BYELAWS AND REGULATIONS :—

Byelaws regulating :—Sanitary Conveniences, 1909 ; Means of Escape in case of Fire, 1914 ; Offensive Trades, 1917 ; Public Abattoir, 1917 ; Employment of Children, 1920 and 1934 ; Good Rule (Nuisances), 1920 ; Tents, Vans, Sheds, etc., 1921 ; Houses-let-in-lodgings, 1922 ; Maternity Homes, 1927 ; Nursing Homes, 1928 ; Fouling of Footways by Dogs, 1930 ; Noisy Organs and Musical Instruments, 1931 ; Slaughter Houses, 1931 and 1935 ; Removal of House Refuse, 1934 ; Removal of Offensive Matter, 1934 ; Litter, 1934 ; Common Lodging Houses, 1934 ; Public Abattoir Regulations, 1935.

ADOPTIVE ACTS :—

Infectious Disease (Notification) Act, 1889 ; Infectious Disease (Prevention) Act, 1890 ; Public Health Acts Amendment Act, 1890, as amended by Public Health Act, 1936 ; Notification of Births Act, 1907 ; Public Health Acts Amendment Act, 1907, as amended by the Public Health Act, 1936 (with the exception of Sections 17, 21, 30, 31, 32, 80, 84, 85 and 91). Public Health Act, 1925—Part 2 (except Section 20). Health Resorts and Watering Places Act, 1921.

LABORATORY WORK, 1938.

SPECIMENS EXAMINED.

Sputum	...	T.B. +34	Dispensary 50	...	320
		T.B. —286			
Swabs	...	Diphtheria +122	Doctors' cases 270	...	1491
		Diphtheria —1369			
Smears	...	Doctors' cases 11	...	...	225
		V.D. Clinic cases 214			

AMBULANCE FACILITIES.

An ambulance kept at the Fire Station is maintained by the Corporation for general and accident cases.

The removal of infectious cases is carried out by an ambulance kept at the Isolation Hospital, and maintained by the Corporation.

NURSING IN THE HOME.

The Corporation continues to make a contribution to the District Nursing Association, who employ two qualified nurses.

The Health Visitors do a certain amount of home nursing in cases of pneumonia, ophthalmia neonatorum and puerperal fever.

INSTITUTIONAL TREATMENT FOR UNMARRIED MOTHERS, ILLEGITIMATE CHILDREN, AND HOMELESS CHILDREN.

The Public Assistance Committee maintained a Home in Blakelock Road, at which 15 girls and 1 boy were accommodated, under the care of a Lady Superintendent and a Foster Mother. Boys are now accommodated at Darlington.

During 1938, 24 children were in residence at the Home, 17 of whom were chargeable to other authorities.

POOR LAW RELIEF.

INSTITUTIONAL RELIEF.

1. Number of persons admitted to the Public Assistance Institution during 1938 :—

(a) For Medical Treatment 1861

(b) For Indoor Treatment 44

2. Number of persons in the Public Assistance Institution on 1st January, 1938 (excluding Colonists) 387

OUT RELIEF.

3. Number of new cases applying for out-relief only during 1938 :—

Men 1291

Women 1519

Children 1812

4. Number of persons receiving out-relief on 1st January, 1939 :—

Men 812

Women 1248

Children 818

5. Number of cases applying for out-door medical relief only during 1938 :—

Men 156

Women 500

Children 825

6. Number of persons receiving medical relief on 1st January, 1939 who are also in receipt of out-door relief as shown in paragraph (4) above:—

Men 6

Women 22

Children 8

INSTITUTIONAL PROVISION FOR THE CARE OF MENTAL DEFECTIVES.

During the year the numbers of mental defectives treated in the Colony at Howbeck House were as follows :—

	Adults		Children	
	Males	Females	Males	Females
High Grade	—	2	—	1
Medium Grade	12	72	12	9
Low Grade	16	82	25	26
Total	28	156	37	36

Of the above 244 were treated on behalf of other authorities.

MIDWIVES.

MIDWIVES' ACT, 1936.

During the year the Municipal Midwives Scheme functioned fairly satisfactorily, but I would suggest that better supervision and control can only be had by appointing a supervisor of midwives. I think it is essential that such a person with experience should see the actual work done by the midwives in the homes, and generally supervise the whole routine and allocation of cases and methods of speedy provision of substitutes in emergencies, etc.

I intend to put this matter before the appropriate Committee this year.

The midwives attended 917 births, 827 as midwives, 90 as maternity nurses.

A list of Midwives practising in the Borough will be found in Appendix 14.

HOME HELPS.

During the year Home Helps were engaged in 27 cases—16 during the confinement of the mother, 10 during illness of the mother, and in 1 case the mother had died.

Payment for the Home Helps' services ranged from 1/- per week to 25/- per week (full cost), in accordance with the financial circumstances of the families.

The average period of attendance was 4 weeks.

GRANTULLY MATERNITY HOME.

The greatest number of births in the history of the home took place during the year.

395 births occurred with, I regret to report, the loss of two mothers and twelve children.

The cause of maternal death in both cases could not have been foreseen, nor could they have been prevented by any surgical or medical means known at present.

The fact is now only too obvious that the home is too small for the needs of the area, and constant care has to be exercised to avoid overcrowding. This may be extremely difficult and awkward for the staff and the mothers, some of whom arrive at the door actually well advanced in labour.

It is a very unsatisfactory state of affairs when an expectant mother, whose home conditions are unsuitable for confinement, cannot be given a definite guarantee of a reserved bed many months before the expected date.

The following statistics show the details of the work and the satisfactory results achieved :—

Number of maternity beds in the institution	...	...	...	16
Number of maternity cases admitted during the year	...	...	...	395
Average duration of stay	...	...	...	14 days
Number of cases admitted during the year for ante-natal treatment	...	...	...	18
Number of cases delivered by (a) Midwives	...	...	...	261
(b) Doctors	...	...	...	133
Number of cases in which medical aid was sought by midwives in emergency	...	...	...	75
Number of cases notified as Puerperal Pyrexia	...	...	...	2
Number of cases of pemphigus neonatorum	...	...	...	—
Number of infants not entirely breast-fed while in the institution	...	...	...	20
Number of cases notified as ophthalmia neonatorum	...	...	...	3
				(Eyes normal on discharge)
Number of maternal deaths				
Causes :— i. Cerebral embolism				
ii. Coronary embolism				
Childbirth				
Ante-natal haemorrhage	...	...	...	2
Number of infant deaths :—				
(a) Stillborn :				
Albuminuria	...	...	...	2
Macerated	...	...	...	2
Hydrocephalic	...	...	...	1
Haemorrhage	...	...	...	1
Meningocele	...	...	...	1
No apparent reason	...	...	...	5
				— 12
(b) Within 10 days of birth : Premature	...	...	...	3

HOWBECK INFIRMARY.

The following are details of the maternity cases treated at Howbeck Infirmary :—

Number of maternity beds in the institution	...	...	...	5
Number of cases admitted during the year	...	...	...	51
Average duration of stay	...	...	...	...21 days
Number of cases admitted for ante-natal treatment	...	...	...	36
Number of cases delivered by (a) Midwives	...	...	...	43
(b) Doctors	...	...	...	8
Number of cases notified as Puerperal Pyrexia	...	...	...	4
Number of cases of pemphigus neonatorum	...	...	...	—
Number of infants not entirely breast fed while in the institution	...	...	...	1
Number of cases notified as ophthalmia neonatorum	...	...	...	9
(eyes all normal on discharge).				

Number of maternal deaths :—

Causes :	1. Tuberculous meningitis, Puerperium	...	
	2. Valvular disease of the heart accelerated by pregnancy and labour	...	...
	3. Placenta Praevia	...	...
	4. Chronic glomerular nephritis, Parturition within 12 days	...	...
	5. Toxaemia, Eclampsia of pregnancy	...	5

Number of infant deaths

(a) Stillborn	Ante-partum haemorrhage	...	...	1
	Prematurity	...	...	1
	Malpresentation—monster	...	...	1
	Prematurity (albuminaria)	...	...	1 4
(b) Within 10 days : Prematurity	...	...	...	7

MATERNAL MORTALITY.

The number of mothers who died in consequence of childbirth during the year was 9. The causes of death were :—

1. Placenta Praevia.
2. Valvular disease of heart accelerated by pregnancy and labour.
3. Cerebral embolism.
4. Tubercular meningitis. Puerperium.
5. Chronic glomerular nephritis. Parturition within 12 days.
6. Coronary embolism. Childbirth. Ante-natal haemorrhage

7. Toxaemia. Eclampsia of pregnancy.

8. Pulmonary embolus. Caesarian section. Fibro-myoma of uterus.

9. Obstetric shock. Myocarditis.

Three of the above were "non-residents."

CLINICS AND TREATMENT CENTRES.

The following tables show the nature of the work done at the Clinics and the conditions found :

ANTE-NATAL AND INFANT WELFARE CENTRES.

Centre	Total No. of children attending Centre	Total attendances	No. of children who made first attendances	No. of visits made by these children	No. of children who attended previous years	No. of visits made by these children	No. of new attenders under one year	No. of new attenders between 1—5	Ante-natal attenders
Mill House ...	...	372	...	...	...	...	...	...	200 (175 new cases)
Dale Street ...	530	6552	362	3402	268	3150	304	58	...
Oxford Street	1072	10515	402	3769	670	6746	339	63	...
Seaton Carew	98	1772	43	731	55	1041	26	17	...
Whitby Street	471	4561	242	1850	229	2711	182	60	...
Totals ...	2171	23772	1049	9752	1222	13648	851	198	200
Totals for 1937	1871	23166	999	10285	872	12431	839	160	209

METHODS OF FEEDING (FIRST ATTENDERS).

Method.	All Centres		Total
	Regular Hours	Irregular hours	
Natural (breast)	498	68	566
Artificial (various)	168	31	199
Combined (natural and artificial) ..	82	4	86
Breast feeding over 1 year of age ...	5	—	5
Children over 1 year—various diets ...	179	14	193
Totals	932	117	1049

During the year the sales of dried milk or allied substances at the Centres amounted to £1046 1s. 0d. The quantities of these commodities given free cost £130 7s. 11d.

DEFECTS FOUND IN INFANTS ATTENDING AT CENTRES.

DISEASE.	CENTRE.				Total
	Dale St.	Seaton	Oxford St.	Whitby St.	
Dermatitis	2	1	9	2	14
Impetigo	—	2	3	1	6
Scabies	2	1	—	—	3
Eczema	2	—	—	2	4
Ophthalmia Neonatorum ...	1	—	2	2	5
Blepharitis	—	—	3	—	3
Conjunctivitis	1	—	—	2	3
Strabismus	1	—	—	1	2
Disease of Tonsils & adenoids	1	—	1	—	2
Otorrhoea	—	—	4	4	8
Whooping Cough	—	—	—	1	1
Bronchitis	3	2	6	4	15
Rickets	1	—	—	2	3
Malnutrition	3	—	—	4	7
Marasmus	—	—	1	2	3
Anaemia	4	1	2	4	11
Thrush	1	—	2	2	5
Jaundice	1	—	—	—	1
Diarrhoea	1	1	5	8	15
Constipation	8	2	6	8	24
Inguinal hernia	—	1	—	—	1
Umbilical hernia	7	1	15	7	30
Umbilical polypus	2	—	—	—	2
Protruding Umbilicus ...	—	—	—	16	16
Discharging Umbilicus ...	—	—	—	3	3
Phimosis	2	1	10	5	18
Naevus	1	—	2	1	4
Cleft Palate	2	—	1	—	3
Talipes Varus... ..	1	—	—	—	1
Herpes	—	—	—	3	3
Septic Sores	4	—	—	1	5
Worms	—	—	2	1	3
Dental defects	9	—	13	6	28
Inflammation of glands ...	—	—	—	1	1
Torticollis	—	—	—	1	1
Mongolism	1	—	—	—	1
Hydrocephalus	—	1	—	—	1
Other defects	5	—	6	1	12
Totals	66	14	93	95	268

CHILD WELFARE CENTRES.

There has been no change in the work at the Child Welfare Centres. It is unfortunate that owing to shortage of nurses it was impossible to continue the campaign for more frequent visits to children over one year. For several months the staff was less than anticipated ; in addition one Health Visitor spent part of her time in Tuberculosis work and paid 700 visits to Tuberculosis patients.

Attendances at the Welfare Centres has been good ; at the Dale Street Centre numbers increased so much with the movement of the population into new houses in that part of the town that it has become almost unmanageable. The accommodation available is inadequate, and with a weekly attendance of 120 or more mothers it is impossible for the nurses to find opportunity for personal contact with all of them, and it is this personal contact which is important in welfare work. It is noticeable that the most regular and continued attendance of children until they reach school age was made at the smallest centre.

ANTE-NATAL AND POST-NATAL SCHEME.

(a) GENERAL PRACTITIONERS.

The Scheme whereby every expectant mother could receive ante-natal and post-natal care from her own doctor has been continued during 1938. All recommendations as to nourishment or hospital treatment were dealt with by the department.

The following is a brief summary of the reports received :—

	Ante-natal	Post-natal
Total reports received ...	741	586
Abnormalities reported :		
Albuminuria ...	37	—
General medical defects ...	33	44
Pelvic abnormalities ...	30	—
Malpresentation ...	22	—
Poor nutritional condition	21	30
Recommended for hospital treatment	17	2
Recommended for specialist advice	—	—
Recommended for Nursing		
(premature baby) ...	—	2

(b) CONSULTANTS.

During the year 20 cases were referred to the Consultants appointed by the Council.

NUTRITION EXPERIMENT.

The nutrition experiment commenced in 1937 in co-operation with the Joint Council of Midwifery has been continued during 1938.

Extra nourishment, consisting of Colact, Ostermilk and Marmite has been supplied to 479 cases during the last three months of pregnancy under this scheme during the year.

Of these cases, 437 had been confined by the end of the year and the figures below give a comparison of the results in the 'fed' and 'non-fed' groups.

			Cases receiving foods	Other cases.
Total No. of confinements	...	...	437	980
No. of Maternal deaths :—				
From Sepsis	...	...	—	—
From Abortion	...	...	—	—
From other causes	...	...	1	3
From associated causes		...	1	1
No. of stillbirths	...	...	14	34
No. of Neo-natal deaths	...	...	8	37

ULTRA VIOLET RAY CLINIC.

Four sessions weekly were held for children from the Welfare Centres and School Clinic.

MIDWIVES ACTS, 1902-36.

CONDITIONS FOR WHICH DOCTORS WERE SUMMONED IN AN EMERGENCY BY MIDWIVES.

(The figures in Brackets indicate Insured Cases.)

PREGNANCY—

Ante-partum		
haemorrhage	...	18 (5)
Albumen in urine	...	9 (4)
Sugar in urine	...	1 (—)
Abortion (threatened)		2 (1)
Abortion (incomplete)		2 (—)
Miscarriage ...	...	1 (—)
Pelvic Abnormality		3 (1)

PUERPERIUM—

Rise of temperature	...	17 (6)
Post-partum		
haemorrhage	...	6 (5)
Abscess of breast	...	4 (2)
Illness of mother	...	12 (4)

Varicose veins	...	1	(1)
Swollen Feet	...	3	(3)
Eclampsia	...	1	(—)
Illness of mother	...	11	(4)
		—	—
		52	(19)

—	—
39	(17)

LABOUR—

Malpresentation	...	12	(7)
Prolonged and difficult labours	...	92	(65)
Ruptured perineum		115	(88)
Placenta Praevia	...	2	(1)
Adherent placenta		10	(5)
Varicose veins	...	1	(—)
Heart Disease	...	1	(1)

—	—
233	(167)

INFANTS—

Stillbirths	...	2	(1)
Malformation	...	6	(2)
Discharging eyes	...	21	(8)
Feeble and Premature babies	...	20	(8)
Tongue tie	...	8	(2)
Rash	...	7	(2)
Watery blisters	...	8	(1)
Pemphigus	...	3	(—)
Illness of baby	...	12	(6)

—	—
87	(30)

MATERNITY INSURANCE SCHEME.

The Council maintained their Insurance Scheme throughout the year and I am indebted to the Borough Treasurer for the following financial particulars :—

	Year ended	
	31st March, 1938	31st March 1939
Number of contributors to scheme	... 460	455
Amount of contributory fees received	... £172 13 6	£170 14 0
Confinements during the period :—		
(a) No medical attention	... 271	216
(b) With medical attention	... 158	221
Contributory fees received in respect of		
(a) and (b) above	... £160 1 6	£163 19 0
Amount of Doctors' fees paid by the Corporation	... £252 6 6	£348 19 6
Number of cases where confinement has not taken place during the period	... 84	102

Percentage of cases in which medical treatment was required	37%	51%
Average cost per case of medical treatment ...	£1 12 0	£1 11 7
Amount received in contributory fees for each case treated	£1 0 3	£0 16 10
Loss to Corporation per case treated ...	£0 11 9	£0 14 9

WORK OF THE HEALTH VISITORS.

Maternity and Child Welfare :—

Visits to children under one year of age—	Primary visits	...	...	1321
	Secondary visits	...	...	4156
Visits to children between one and five years ... ..	...	...	...	10951
Visits to expectant mothers—	Primary Visits	...	...	932
	Secondary visits	...	...	1114
Visits for cases of ophthalmia neonatorum—	Primary visits	...	...	24

Tuberculosis :—

Primary visits to new cases ... ..	...	...	...	84
Secondary visits to—	Domiciliary cases	...	...	279
	Dispensary cases	...	...	1580

Health Work :—

Visits to cases of pneumonia—primary visits ... ..	...	...	...	131
Visits to cases of puerperal fever and pyrexia—primary visits	...	...	...	24
Visits to cases of scarlet fever ... ..	...	...	...	125
Visits to mental defectives ... ..	...	...	...	56
Visits to cases of encephelitis lethargica ... ..	...	...	...	7
Visits to boarded-out children ... ..	...	...	...	24

Special Enquiries	706
--------------------------	-----	-----	-----	-----

Nursing :—

Visits to cases of pneumonia ... ..	...	...	...	8
Visits to cases of ophthalmia neonatorum ... ..	...	...	...	100
Visits to cases of puerperal fever and pyrexia ... ..	...	...	...	28
Visits to premature babies ... ..	...	...	...	11
Visits to cases of pemphigus neonatorum ... ..	...	...	...	4

Clinics :—

Sessions at—	Maternity and Child Welfare Centres	...	...	451
	Ante-natal Clinic ... ..	...	...	50
	Dental (Maternity and Child Welfare)	...	...	21
	Tuberculosis Dispensary ... ..	...	...	112
	Venereal Disease Clinics ... ..	...	...	232
	Ultra Violet Ray Clinic ... ..	...	...	170

School Work :—

Visits to Schools with School Medical Officer ... ..	...	...	...	1
Following up—	Visits to tonsils and adenoids cases	...	...	2
	Visits to cases of infectious disease	...	...	20
	Visits to cases of eye defects ... ..	...	...	2
	Visits to other cases ... ..	...	...	3

TUBERCULOSIS.

The Clinic is held on Tuesdays and Thursdays at the Cameron Hospital and much valuable work has been carried out there during the past year.

Statistics would appear to contradict this statement but it must be borne in mind that much valuable time was lost during the September crisis and the ensuing months.

As compared with recent years, I have pleasure in recording a welcome reduction in the number of new cases of pulmonary tuberculosis. A drop from 63 to 36 is more than satisfactory but without striking a despondent note it is probably too much to hope that a further fall will be noted in the ensuing years.

The number of contacts examined also shows a relative increase and generally speaking the statistics for the year can be regarded as satisfactory.

I am well aware of the fact that far too few domiciliary visits were made in 1938, but such a state of affairs could not be improved upon on account of the department being understaffed. This will be rectified in the coming year.

Factors conducive towards better conditions for tuberculosis cases and families showed a steady improvement, but housing conditions still leave much to be desired in the town. Extra nourishment and financial aid in other forms has proved a great help to those requiring same. It is to be hoped that West Hartlepool Corporation can see their way to continue their extra nourishment scheme, which is of inestimable value to necessitous cases.

Again I record with pleasure my best thanks to the general practitioners for their excellent and willing co-operation.

Return showing the Work of the Dispensary during the year 1938.

DIAGNOSIS.	Pulmonary				Non-pulmonary				Total				GRAND TOTAL	
	Adults.		Children		Adults.		Children		Adults.		Children			
	M	F	M	F	M	F	M	F	M	F	M	F		
A—New Cases examined during the year (excluding contacts):														
(a) Definitely tuberculous...	18	14	2	2	1	1	8	7	19	15	10	9	53	
(b) Diagnosis not completed	...	...	...	...	...	...	...	...	1	2	1	1	5	
(c) Non-tuberculous	...	...	...	...	...	...	...	...	10	18	11	16	55	
B—Contacts examined during the year:														
(a) Definitely tuberculous...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) Diagnosis not completed	...	...	...	...	...	...	...	...	...	...	1	5	6	
(c) Non-tuberculous	...	...	...	...	...	...	...	...	2	16	10	17	45	
C—Cases written off the Dispensary Register as														
(a) Recovered	5	3	1	...	1	8	9	5	6	11	10	5	32	
(b) Non-tuberculous (including any such cases previously diagnosed and entered on the Dispensary Register as tuberculous)	...	...	...	...	...	...	...	...	16	38	28	33	115	
D—Number of Cases on Dispensary Register on December 31st:—														
(a) Definitely tuberculous...	95	77	11	10	16	23	38	28	111	100	49	38	298	
(b) Diagnosis not completed	...	...	...	...	...	...	...	...	1	1	2	6	10	

- Number of cases on dispensary register on January 1st .. 334
- Number of cases transferred from other areas and cases returned after discharge under Head 3 in previous years .. 6
- Number of patients transferred to other areas, cases not desiring further assistance under the scheme, and cases 'lost sight of' .. 22
- Cases written off during the year as dead (all causes) .. 27
- Number of attendances at the dispensary (including contacts) 1354
- Number of insured persons under domiciliary treatment on the 31st December .. 58
- Number of consultations with medical practitioners:—
 - Personal .. 2
 - Other .. 68

- Number of visits by Tuberculosis Officers to homes (including personal consultations) .. 29
- Number of visits by nurses or health visitors to homes for dispensary purposes .. 1580
- Number of
 - Specimens of sputum, etc. examined .. 320
 - X-ray examinations made in connection with dispensary work .. 288
- Number of "recovered" cases restored to dispensary register and included in A (a) and A (b) above
- Number of "T.B. plus" cases on Dispensary register on 31st December .. 125

Number of beds available for the treatment of tuberculosis on the 31st December, 1938 in institutions belonging to the Council.

Name of Institution	For Pulmonary Cases		For Non-pulmonary Cases		Total
	Adults	Children under 15	Adults	Children under 15	
Poor Law Institution— Howbeck Infirmary	10	7	7	4	28

Return showing the extent of residential treatment and observation during the year in institutions (other than poor law institutions) approved for the treatment of tuberculosis.

		In institutions on Jan. 1	Admitted during the year	Discharged during the year	Died in the institutions	In institutions on Dec. 31
(a) Number of doubtfully tuberculous cases admitted for observation	Adult M.	...	...	...	...	...
	Adult F.	1	1	2	...	...
	Children	...	3	2	...	1
	Total ...	1	4	4	...	1
(b) Number of patients suffering from pulmonary tuberculosis	Adult M.	11	25	28	...	8
	Adult F.	6	14	16	...	4
	Children	7	4	5	...	6
	Total ...	24	43	49	...	18
(c) Number of patients suffering from non-pulmonary tuberculosis	Adult M.	...	1	...	...	1
	Adult F.	...	...	...	...	...
	Children	2	1	...	...	3
	Total ...	2	2	..	...	4
Grand Total (a), (b) & (c)		27	49	53	...	23

Return showing the extent of residential treatment provided during the year in poor law institutions for persons chargeable to the Council.

			In institutions on Jan. 1	Admitted during the year	Discharged during the year	Died in the institutions	In institutions on Dec. 31
Number of patients suffering from pulmon- ary tuberculosis admit- ted for treatment	Adults	M	3	15	5	6	7
		F	4	15	6	6	7
		Ch.	2	4	2	4	...
Number of patients suffering from non-pul- monary tuberculosis ad- mitted for treatment	Adults	M	1	2	1	2	...
		F	2	1	1	2	...
		Ch.	2	6	5	...	3
Total	..		14	43	20	20	17

Return showing the results of observation of doubtfully tuberculous cases discharged during the year from Institutions approved for the treatment of tuberculosis.

[illegible]

Return showing the immediate results of treatment of definitely tuberculous patients discharged during the year from institutions (other than Poor Law Institutions) approved for the treatment of tuberculosis.

Classification on admission to the Institution	Condition at time of Discharge	Duration of Residential Treatment in the Institution															Grand Totals
		Under 3 months but exceeding 28 days			3--6 months			6--12 months			More than 12 months			Totals			
		M	F	Ch	M	F	Ch	M	F	Ch	M	F	Ch	M	F	Ch	
Pulmonary Tuberculosis	Class T.B. minus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1 9 ...
	Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Not Quiescent ...	1	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Class T.B. plus Group I	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2 1 ...
Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Not Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Class T.B. plus Group II	Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Not Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Class T.B. plus Group III	Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Not Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS (pulmonary)	...	9	3	1	8	8	...	3	3	2	1	...	21	14	5	40	
Non-Pulmonary Tuberculosis	Bones and Joints	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Not Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Abdominal	Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Not Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Organs	Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Not Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Peripheral Glands	Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Not Quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS (non-pulmonary)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...



NON-PULMONARY TUBERCULOSIS.

Supplementary Annual Return showing in summary form (a) the condition at the end of 1938 of all patients remaining on the Dispensary Register; and (b) the reasons for the removal of all cases written off the Register.

[illegible]



TUBERCULOSIS.

AVERAGE RESIDENCE AND COST OF

(A)—SANATORIUM TREATMENT.

Name of Sanatorium	Form of Disease			Total days residence	Average residence per patient (days)	Total Cost		
	Pul-monary	Non-Pul-monary	For Obser-vation			£	s.	d.
Barrasford	18	...	1	2149	113	788	15	7
Stanhope	22	1	..	2569	112	642	5	0
Wolsingham	11	...	1	888	74	222	0	0
Stannington	11	3	3	3167	186	983	13	1
Wooley	5	...	..	210	42	70	10	2
Totals	67	4	5	8983	...	2707	3	10

(B)—SURGICAL TREATMENT.

Institution.	Form of Disease.		Total days residence	Average residence per patient (Days)	Total Cost.		
	Abdom-inal	Bones and Joints			£	s.	d.
Hartlepoons Hospital	1	9	1341	134	546	0	0

(C) ARTIFICIAL PNEUMOTHORAX TREATMENT.

During the year eleven patients who were attending at Newcastle-on-Tyne for artificial pneumothorax treatment were given 175 refills. The cost of artificial pneumothorax treatment and consultations was £352 16s.

VENEREAL DISEASES.

As before, three weekly sessions, two male and one female, are held for the treatment of Venereal Diseases at Millhouse, Stranton. The desirability of having more appropriate accommodation for patients attending this Clinic has already been emphasised in previous reports. The Local Authority must realise that many more than 6874 attendances would be recorded in the year if they would provide a suitable clinic. Here we have a farcical situation of attempting to treat a patient confidentially in one of the most public places in the town. Statistics speak for themselves—a drop in new cases of 30% probably due to this fact, and a rise in the defaulter rate definitely due to this fault.

The advent of chemotherapy with its remarkable results will certainly explain a fall in numbers of cases attending for intermediate treatment, i.e. other than to see the Medical Officers.

The remarkable success of the latest drug treatment in gonorrhoea marks one of the biggest advances in the treatment of this particular disease in modern times, but great care must be taken that the treatment does not fall into any hands other than responsible physicians; otherwise many cases still infected although apparently cured may cause widespread infection in an area.

VENEREAL DISEASES.

ATTENDANCES AT CORPORATION CENTRE.

	Syphilis		Soft Chancre		Gonorrh'a		Conditions other than venereal		TOTAL		Totals
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1. Number of cases on 1st Jan., under treatment or observation	58	19	...	..	40	7	...	..	98	26	124
2. Number of cases removed from the register during any previous year which returned during the year under report for treatment or observation of the same infection .. .. .	...	3	..	..	1	1	..	..	1	4	5
3. Number of cases dealt with for the first time during the year under report (exclusive of cases under Item 4) suffering from..											
Syphilis, primary	11	3	..	..	..	..	..	..	11	3	14
„ secondary .. ..	..	2	..	..	..	..	..	..	..	2	2
„ latent in 1st year of infection .. ..	...	..	..	..	..	..	..	..	..	..	...
„ all later stages	4	4	..	..	..	..	..	..	4	4	8
„ congenital .. ..	..	..	..	..	..	..	..	..	..	..	..
Soft Chancre .. ..	..	..	1	..	..	..	..	..	1	..	1
Gonorrhoea, 1st year of infection .. ..	..	..	..	..	52	19	..	..	52	19	71
Gonorrhoea, later .. ..	..	..	..	..	..	..	..	..	..	..	..
Conditions other than venereal	..	..	..	..	..	..	12	15	12	15	27
4. Number of cases dealt with for the first time during the year under report known to have received treatment for the same infection, or to have been under observation, at other Centres	9	4	...	..	16	4	3	..	28	8	36
TOTALS OF ITEMS 1, 2, 3 & 4..	82	35	1	..	109	31	15	15	207	81	288
5. Number of cases discharged after completion of treatment and final tests of cure or after diagnosis as non-venereal ...	1	3	...	..	35	9	10	15	46	27	73
6. Number of cases which ceased to attend before completion of treatment and were, on first attendance, suffering from :—											
Syphilis, primary	4	..	..	..	..	..	..	..	4	..	4
„ secondary .. ..	...	2	..	..	..	..	..	..	..	2	2
„ latent in 1st year of infection .. ..	..	..	..	..	..	..	..	..	..	..	..
„ all later stages	5	2	..	..	..	..	..	..	5	2	7
„ congenital	1	4	..	..	..	..	..	..	1	4	5
Soft Chancre .. ..	..	..	..	..	..	..	..	..	..	..	...
Gonorrhoea, 1st year of infection .. ..	..	..	..	..	27	8	..	..	27	8	35
Gonorrhoea, later .. ..	..	..	..	..	...	..	..	..	..	...	...

VENEREAL DISEASES.

Attendances at Corporation Centre.

	Syphilis		Soft Chancre		Gonorr- hoea.		Conditions other than Venereal		TOTAL		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total
7. Number of cases which ceased to attend after completion of treatment but before final tests of cure .. ..	..	1	..	..	6	4	..	..	6	5	11
8. Number of cases transferred to other centres or to institutions or to care of private practitioners	17	1	1	..	18	4	1	..	37	5	42
9. Number of cases remaining under treatment or observation on 31st December	54	22	..	..	23	6	4	..	81	28	109
TOTALS OF ITEMS 5, 6, 7 8 and 9..	82	35	1	..	109	31	15	15	207	81	288
10. Number of cases in the following stages of syphilis included in Item 6 which failed to complete one course of treatment :—											
Syphilis, primary	3	..	..	..	..	..	..	..	3	..	3
„ secondary .. ..	..	1	..	..	..	..	..	..	..	1	1
„ latent in 1st year of infection .. ..	..	..	..	..	..	..	..	..	..	..	..
„ all later stages	2	..	..	..	..	..	..	..	2	..	2
„ congenital .. ..	..	..	..	..	..	..	..	..	..	..	..
11. Number of attendances :—											
(a) for individual attention of the medical officers. ..	1715	564	5	..	818	227	189	51	2727	842	3569
(b) for intermediate treatment, e.g., irrigation, dressing ..	312	..	23	..	1932	432	388	218	2655	650	3305
Total Attendances ..	2027	564	28	..	2750	659	577	269	5382	1492	6874
12. In-patients :—											
(a) Total number of persons admitted for treatment during the year	4	..	..	..	6	1	..	..	10	1	11
(b) Aggregate No. of “in-patient days” of treatment given..	154	..	..	..	156	23	..	..	310	23	333

VENEREAL DISEASES.

	Under 1 year		1 and under 5 years		5 and under 15 years		15 years and over		Totals	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
13. Number of cases of congenital syphilis in item 3 above classified according to age periods..

	Arsenical		Mercury	Bismuth
	Approved Arsenobenzene Compounds	Others		
14. (a) Names of chief preparations used in treatment of Syphilis	Kharsulphan Novarsen obillon Stabilarsan	Acetylarsan	Hyd c. Cret. Gr. 1	Bisantol. Bismuth- Hypoloid.
(b) Total number of injections given (out-patients and in-patients).. ..	579	191	..	1767

	Microscopical		Cultural for Gonorrhoea	Serum		Cerebro-spinal fluid	Others for diagnosis of Venereal Disease
	for Syphilis	for Gonorrhoea		for Syphilis	for Gonorrhoea		
Pathological Work :—							
1) Number of specimens examined at and by the medical officer of the treatment centre	39	654	...	...	...	..	..
2) Number of specimens from patients attending at the centre sent for examination to an approved laboratory							
West Hartlepool Treatment Centre .. ..	...	.....	..	50	1	...	..
All Areas including West Hartlepool .. ..	..	4	..	147	3	4	..

[illegible]

SANITARY CIRCUMSTANCES OF THE AREA.

WATER SUPPLY.

Below is given the Public Analyst's Report on a sample of the water supply of the Borough, which shows that the sample is of good and wholesome quality.

					Parts per 100,000
Chlorine as Chlorides	...	...	...	...	11.7300
Nitrogen as Nitrates	...	...	...	...	.1537
Ammonia	...	...	...	...	.0050
Albuminoid Ammonia	...	...	...	...	.0047
Oxygen Absorption	...	...	...	...	.0240
Injurious Metals	...	...	...	...	None
Total Solid Matter dried @ 100°C.		...	...	...	83.0000
Temporary Hardness	...	...	22.80	Degrees.	
Permanent Hardness	...	...	23.00	Degrees	
Colour of sample on Hazen Scale	...	...	...	...	3
Appearance of sample in 2 foot tube		...	...	Not quite bright	
Odour when heated to 50°C.	...	...	...	...	None

MICROSCOPICAL EXAMINATION.

Satisfactory.

BACTERIOLOGICAL EXAMINATION.

Number of colonies on Nutrient Agar at 37° C after 72 hours	1 per ml.
Number of colonies on Nutrient Agar after 72 hours at 20/22° C	1 per ml.
Presumptive B. Coli Test @ 37° C. after 72 hours	Negative in 90 ml. Positive in 100 ml.
Clostridium Welchii test @ 45° C.	... .. Negative in 40 ml.

OBSERVATIONS.

The sample affords no evidence of contamination by matters of an undesirable character and it is of good and wholesome quality for human consumption.

DRAINAGE AND SEWERAGE.

With the construction of a new sewer to serve the Southern part of the town, rapid progress is being made with the abolition of the cesspool drainage systems of the houses in that part of the Borough.

Serious nuisance has been caused in the past by overflowing cesspools, and it will be a marked sanitary improvement when these cesspools are all abolished.

In connection with the above 132 cesspools have been abolished during the year.

ASHPITS ABOLISHED.

	Wards								TOTAL
	North	West	Park	SWest	S East	Cntral	NEast	Seat'n	
Ashpits abolished and circular pans provided	3	...	...	3

SCAVENGING—DISPOSAL OF HOUSE REFUSE.

REFUSE COLLECTED AND DISPOSED OF.

Year ended 31st Dec., 1938	Number of loads collected	
	Household refuse taken to Controlled Tip and Farms	Shop and Trade Refuse Incinerated at Destructor
January ...	1736	385
February ...	1510	347
March ...	1896	452
April ...	1549	375
May ...	1517	358
June ...	1862	447
July ...	1098	274
August ...	} 3281	841
September ...		
October ...	1568	467
November ...	1357	360
December ...	1510	371
	18892	4677

PREMISES AND OCCUPATIONS CONTROLLED BY BYE-LAWS
OR REGULATIONS.

						Number
Fried Fish Dealers	...	...	...	...	...	66
Marine Stores	...	...	...	...	...	5
Gut Scrapers	...	...	...	...	...	2
Tripe Boilers	...	...	...	...	...	3
Tallow Melters	...	...	...	...	...	5
Bone Boilers	...	...	...	...	...	1
Common Lodging Houses	...	...	...	...	...	8
Registered Houses-let-in-Lodgings	...	...	...	...	...	30
Cowsheds and Retail Purveyors of Milk	...	...	...	...	...	85
Shops registered for sale of Bottled Milk	...	...	...	...	...	98
Store registered for sale of Artificial Cream	...	...	...	...	...	1
Slaughter Houses	...	...	...	...	...	1

COMMON LODGING HOUSES.

Situation				Registered No. of Lodgers	No. of Rooms
18 Rokeby Street	...	...	...	16	7
138 Burbank Street	...	...	...	29	9
(a) 3 Redworth Street	...	...	...	10	2
16 Mainsforth Terrace	...	...	...	35	19
2 Edward Street	...	...	...	15	4
29 George Street	...	...	...	9	3
26 George Street	...	...	...	11	4
15 Mainsforth Terrace	...	...	...	15	6
Totals				140	54

(a) Property included in Clearance Area—Vacated October, 1938.

SANITARY INSPECTION OF THE DISTRICT.

Inspections were made as follows :—

2621	visits under the Public Health Acts.
2704	visits under the Housing Acts.
53	visits under the Merchandise Marks Acts.
151	visits to factories and workplaces.
163	visits to dairies, cowsheds and milkshops.
66	visits under Shops Act.
51	visits to fish, fruit and meatshops.
469	visits to public abattoir.
78	visits to ice-cream shops.
49	visits to offensive trades.
66	visits to places of entertainments.
75	visits to common lodging houses.
12	visits to houses-let-in-lodgings.
27	visits to sheds and caravans.
321	visits to cases of infectious diseases.
30	visits to homes of mental defectives.
756	complaints attended to.
41	drains inspected.
47	drains tested.
320	visits re rats.
721	informal notices served.
23	statutory notices served.

Defects and nuisances discovered and dealt with are given below :—

Drains defective	...	...	...	...	...	20
Drains and water closets stopped	...	...	...	...	...	98
Unclean dwellings	...	...	...	...	...	9
Unsatisfactory stable	...	...	...	...	...	1
Defective yard pavements	...	...	...	...	...	58
Defective spouts and fallpipes	...	...	...	...	...	110
Defective roofs	...	...	...	...	...	133
Factories not kept in a cleanly condition	...	...	...	...	...	14
Ashpits to be abolished	...	...	...	...	...	3
Privy converted to water closet	...	...	...	...	...	1
Defective water closets	...	...	...	...	...	131
Additional water closet required	...	...	...	...	...	3
Offensive accumulation of manure and refuse	...	...	...	...	...	8
Smoke nuisance	...	...	...	...	...	1

Animals improperly kept	...	...	...	...	4
Rat infestation ...	...	...	...	...	5
New dustbins required	...	...	...	...	156
Defective or absent ashcloset doors	...	...	...	...	37
Fill in rainwater wells	...	...	...	...	4
Rainwater wells require cleaning	...	...	...	...	9
Defective rainwater pumps, wells, etc.	...	...	...	...	65
Defective water taps, pipes, etc.	...	...	...	...	41
No supply of pure water	...	...	...	...	14
Internal water supply and sink required	...	...	...	...	35
Other nuisances	...	...	...	...	784
					<hr/>
					1646
					<hr/>

DISINFECTION.

Number of rooms sprayed and fumigated	...	...	621 (504 houses)
Tuberculosis	...	...	101
Fever	...	...	402
Vermin	...	...	54
Institutions	...	...	22
Other	...	...	42
Number of articles disinfected by steam	...	...	4966
Beds, bed covers and mattresses	...	730	
Pillows, pillow cases and bolsters	...	1617	
Sheets, blankets and quilts	...	1411	
Articles of clothing	...	997	
Sundry articles	...	211	
Number of articles destroyed with consent of owner	...	...	119

ERADICATION OF BED BUGS.

Infested houses are sprayed with "Zaldecide," the work being carried out by a man engaged by the Corporation for this work.

Where necessary, the belongings of tenants from Clearance Areas and condemned houses are sprayed before the tenants' removal to new premises.

During 1938, 677 houses were sprayed by the Department.

HOUSING.

The number of inhabited houses in the Borough at the end of 1938 was 19,000, with a population of 70,360. This gives a figure of 3.7 persons per house.

During 1938, 393 houses and 1 house and shop were built by private enterprise. 321 houses, and 2 houses and shops were built by the Corporation during the year.

3 Clearance areas have been confirmed by the Ministry of Health during the year, affecting 41 houses. Up to the end of 1938, 2215 persons from Clearance Areas had been rehoused.

HOUSING.

1. INSPECTION OF DWELLING HOUSES DURING THE YEAR :—

(1) (a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts)...	...	1287
(b) Number of inspections made for the purpose ...	...	5325
(2) (a) Number of dwelling houses (included under Sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations 1925	...	566
(b) Number of inspections made for the purpose ...	...	3025
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation...		194
(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	... ..	694

2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES :—

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers ...	663
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3. ACTION UNDER STATUTORY POWERS DURING THE YEAR :—

A. Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936—				
(1) Number of dwelling houses in respect of which notices were served requiring repairs	...	...	...	Nil
(2) Number of dwelling houses which were rendered fit after service of formal notices :—				
(a) By owners	...	...	...	Nil
(b) By local authority in default of owners	...	...	...	Nil
B. Proceedings under Public Health Acts :—				
(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied	...	...	...	23
(2) Number of dwelling houses in which defects were remedied after service of formal notices :—				
(a) By owners	...	...	...	6
(b) By local authority in default of owners	...	...	...	17
C. Proceedings under sections 11 and 13 of the Housing Act, 1936 :—				
(1) Number of dwelling houses in respect of which Demolition Orders were made	...	...	...	8
(2) Number of dwelling houses demolished in pursuance of Demolition Orders	...	...	...	9
D. Proceedings under section 12 of the Housing Act, 1936 :—				
(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	...	...	...	25
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	...	...	...	14

4. HOUSING ACT, 1936, PART IV, OVERCROWDING :—

(a) (i) Number of dwellings overcrowded at the end of the year	1355
(ii) Number of families dwelling therein	1631
(iii) Number of persons dwelling therein	9405
(b) Number of new cases of overcrowding reported during the year	
...	8
(c) (i) Number of cases of overcrowding relieved during the year	133
(ii) Number of persons concerned in such cases	650
(d) Cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	
...	—

HOUSING ACTS.

SUMMARY OF ACTION TAKEN TO END OF 1938.

(a) CLEARANCE AREAS.

Date of Representation	No.	Clearance Area	No. of houses	Persons to be displaced	Remarks
4.10.34	1	Old Town	9	58	—
	2	do.	111	538	—
	3	do.	10	45	—
	4	do.	30	122	—
5.11.34	5	Stranton	3	16	Not confirmed, dealt with as individual houses.
7.2.35	6	Southbank Terrace and Lees Place	12	23	3 houses excluded.
4.4.35	7	Wood Street	34	190	—
2.7.36	8	Longhill	159	753	—
5.11.36	9	Back Frederick Street	3	13	—
	10	Wood Street	3	19	—
	11	Thorne Street	20	104	—
	12	Ainsley Street	4	15	1 house excluded
	13	Warwick Place	4	12	—
3.12.36	14	Andrew Place	10	34	—
	15	Throston Street	8	16	Representation cancelled property purchased by Corporation.
4.2.37	16	Catherine Street	11	53	—
	17	Catherine Street	8	16	—
4.3.37	18	Corners Court, Seaton	5	10	—
1.4.37	19	Thompson Street	5	14	Not confirmed, reconstruction scheme submitted by owner.
1.4.37	20	Burbank Street ,	5	29	—
3.12.36	21	Throston Street	2	6	Representation cancelled property purchased by Corporation.
7.10.37	22	Church Row	9	17	—
2.12.37	23	Redworth Street	28	184	—
3.2.38	25	The Cliff, Seaton	4	16	—
2.6.38	27	Carlisle Place	9	32	—
2.6.38	28	Throston Street	3	11	—
Total			509	2346	

(b) INDIVIDUAL UNFIT HOUSES.

(i) Number of dwelling houses demolished as a result of formal action	...	...	...	...	33
(ii) Number of dwelling houses demolished as a result of informal notices	...	...	...	...	18
(iii) Number of dwelling houses closed but not demolished as a result of undertakings by owners not to use the houses for human habitation	...	...	...	...	27
(iv) Number of parts of buildings closed after formal action					75
Number of persons displaced as a result of action—					
Under (i) above	...	...	...	...	136
Under (ii) above	...	...	...	...	28
Under (iii) above	...	...	...	...	143
Under (iv) above	...	...	...	...	291
					—598
Number of dwelling houses made fit—					
After formal action	...	...	...	...	130
After informal action	...	...	...	...	244

MILK AND DAIRIES ACTS AND ORDERS.

MILK (SPECIAL DESIGNATIONS) ORDERS, 1936 and 1938.

No. of samples taken for examination				Source	Result	Action taken
For presence of tubercle bacilli	For bacterial count	For Methylene Blue Test	For Coli-form Test			
24	—	—	—	Local supply	24 negative	Nil
16	—	—	—	Supply from outside borough	14 negative 2 positive	Nil
—	27	—	—	Local supply	20 satisfactory 7 unsatisfactory	Responsible authority notified. Nil
—	28	—	—	Supply from outside borough	23 satisfactory 5 unsatisfactory	Farmers' and dairymen's attention drawn to unfavourable report. Nil
—	—	5	—	Local supply	4 satisfactory 1 unsatisfactory	Farmers' and dairymen's attention drawn to unfavourable report. Nil
—	—	—	4	Local supply	4 satisfactory	Farmer's attention drawn to unfavourable report. Nil

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASE

There was a definite increase in the incidence of Scarlet fever, but the type remained mild.

Diphtheria also showed a slight rise over last year, the type tending to remain severe. 11 deaths occurred and it is regretted that cases still arrive in hospital without having had any anti-toxin, in spite of the arrangements made with the general practitioners.

It will also be noticed from the table showing when death occurs, that in several cases they were practically moribund by the time they arrived in hospital.

There was a welcome drop in the figures for pulmonary tuberculosis.

Immunization is carried out at the Child Welfare Centres and at the School Clinic ; for medical practitioners treating cases privately the Department supplies the prophylactic free of charge.

The immunizing treatment consists of one mild subcutaneous injection of 0.5 c.c. and the Toxoid Alum Precipitate is the agent used.

ISOLATION HOSPITAL, 1938.

	No. in Hspl. on 1-1-38	Admit'd during 1938	Dischg'd during 1938	Died	In Hos- pital on 31-12-38
SCARLET FEVER ...	13	161 *1	159	—	11
Scarlet Fever & Diphtheria	—	4	3	—	1
Scarlet Fever & Scabies ...	—	2	2	—	—
DIPHTHERIA ...	10	127	108	11	18
Diphtheria & Scarlet Fever	—	2	2	—	—
Diphtheria & Measles ...	—	2	2	—	—
Diphtheria & Impetigo ...	—	1	—	—	1
? Diphtheria ...	—	3 *2	—	—	—
Tonsillitis ...	—	— *2	2	—	—
Pharyngitis ...	—	— *2	1	—	—
OTHER DISEASES					
Measles & Pneumonia ...	—	2	1	1	—
Measles ...	—	7 *1	10	1	—
Lobar Pneumonia ...	—	1	1	—	—
Erysipelas ...	1	7	7	1	—
Typhoid Fever ...	1	2	1	2	—
? Typhoid Fever ...	—	5 *3	—	—	—
Pelvic carcinoma ...	—	— *3	1	—	—
Abdominal tumour ...	—	— *3	1	—	—
Chronic nephritis and pneumonia ...	—	— *3	—	1	—
Gastro enteritis ...	—	— *3	2	—	—
Mastoiditis ...	—	1	1	—	—
Infantile paralysis ...	—	2 *4	1	—	—
Meningitis ...	—	1 *4	—	2	—
Polio-encephalitis ...	—	1	—	1	—
Encephalitis lethargica ...	—	2	2	—	—
Pemphigus ...	—	1	1	—	—
Puerperal Sepsis ...	—	4 *5	3	—	—
Puerperal Pyrexia ...	—	1 *5	1	—	—
Splenic anaemia ...	—	— *5	1	—	—
Totals ...	25	339	313	20	31

* See changes of diagnosis and diagnosis of observation cases.

CHANGES OF DIAGNOSIS and diagnosis of observation cases :--

- *1 4 Scarlet Fever changed to Measles.
- *2 3 ? Diphtheria diagnosed 2 Tonsillitis; 1 Pharyngitis.
- *3 1 ? Typhoid Fever diagnosed Pelvic carcinoma.
- *3 1 ? Typhoid Fever diagnosed Abdominal tumour.
- *3 1 ? Typhoid Fever diagnosed Chronic Nephritis.
- *3 2 ? Typhoid Fever diagnosed Gastro-enteritis.
- *4 1 Infantile Paralysis changed to Meningitis.
- *5 1 Puerperal sepsis changed to Puerperal Pyrexia.
- *5 1 Puerperal Pyrexia changed to Splenic anaemia.

PATIENT DAYS.

West Hartlepool Cases	...	...	...	7461 days
Cases from other areas	...	...	...	1047 days
				Total 8688 days

PATIENTS' AGES.

			Youngest	Oldest
Scarlet Fever	...	...	7 months	40 years
Diphtheria	...	...	13 months	33 years
Other cases	...	...	20 months	65 years

DURATION OF STAY (excluding deaths).

			Shortest	Longest
Scarlet Fever	...	...	8 days	58 days
Diphtheria	...	...	10 days	103 days
Other cases	...	...	4 days	55 days

DEATHS IN HOSPITAL.

DURATION OF STAY.

Disease		Less than 24 hours	1—2 days	2—7 days	1—4 weeks	Over 4 weeks	Total
Diphtheria	...	3	3	2	3	—	11
Measles	...	—	—	—	1	—	1
Measles and pneumonia	...	1	—	—	—	—	1
Typhoid fever	...	—	—	1	1	—	2
Chronic nephritis and pneumonia...	...	—	—	1	—	—	1
Meningitis	...	—	—	2	—	—	2
Polio-encephalitis	...	1	—	—	—	—	1
Erysipelas	...	—	—	—	1	—	1
Totals	...	5	3	6	6	—	20

COMPLICATIONS :

Scarlet Fever Cases :

4 Cardiac diseases
 1 Abscess of jaw
 1 Mastoid
 1 Nasal discharge
 1 Otorrhoea
 1 Dilatation of heart
 1 Abscess of hip

Diphtheria Cases :

4 General paralysis
 3 Nasal paralysis
 1 Mastoid
 1 Septic fingers
 1 Dilatation of heart
 1 Impetigo

SCARLET FEVER CASES.

120 cases were discharged after short period of treatment in the Isolation Hospital.

39 of these attended the Clinic.

21 of the above were also attended by their own doctors.

73 were attended by their own doctors.

8 cases removed from the district.

COMPLICATIONS.

Complications occurred in 22 cases :—

Glands—	Enlarged cervical glands	...	...	2
Ears—	Discharging ears	...	...	2
	Mastoiditis	...	...	1
	Boils	...	...	1
Nose—	Adenoids removed	...	...	1
Catarrh ...	...	...	...	1
Septic Spots	...	...	...	1
Throat—	Tonsils removed	...	...	2

Other complications :—

Debility	...	...	...	2
Septic sores	...	...	...	4
Impetigo	...	...	...	1
Severe Cold	...	...	...	1
Kidney trouble	...	...	...	1
Pain in limbs	...	...	...	3
Rheumatic heart	...	...	...	1
Slight heart condition	...	...	...	1

VACCINATION STATISTICS.

Births registered	...	...	...	...	...	1367
Successfully vaccinated	...	...	...	...	...	758
Conscientious objectors	...	...	...	...	...	419
Died unvaccinated	...	...	...	...	...	66
Insusceptible	...	...	...	...	...	4
Postponed by medical certificate	...	...	...	...	...	27
Removed to other districts	...	...	...	...	...	20
Lost sight of	...	...	...	...	...	55
Still under notice	...	...	...	...	...	7

Percentage of unvaccinated children for the past 10 years :—

1928	17·8%
1929	20·7%
1930	21·4%
1931	23·3%
1932	39·4%
1933	43·7%
1934	43·6%
1935	43·3%
1936	44·3%
1937	46·68%
1938	43·74%

CANCER.

No new arrangements for the diagnosis and treatment of cancer have been introduced, but a scheme will be worked out and put in hand by 1940 under the new powers which come into force in that year.

Appendix 9 shows the Table Cancer Deaths, and the age incidence and parts of the body affected.

APPENDIX 1.

BIRTHS.

	West Hartle- pool	WARDS								Inward Transfers	Outward Transfers
		North	West	Park	S. West	S. East	Central	N. East	Seaton		
Estimated population	70,360	10,560	7,580	8,530	10,200	9,101	10,340	7,770	6,279	...	...
No. of births...	1,367	217	130	114	229	159	234	149	184	11	60
Birth Rates	19.43	20.5	17.1	13.4	22.4	17.5	22.6	19.2	28.3	...	...
Percentage of total births	...	15.8	9.5	8.3	16.7	11.6	17.1	10.8	13.4	+0.8	-4.0

BIRTH RATES.

YEAR	West Hartlepool		England & Wale Birth Rate
	No. of Births	Birth Rate	
1929	1,455	20.9	16.3
1930	1,528	22.0	16.3
1931	1,422	20.7	15.8
1932	1,415	20.3	15.3
1933	1,298	18.3	14.4
1934	1,357	18.9	14.8
1935	1,447	20.2	14.7
1936	1,304	18.4	14.8
1937	1,296	18.4	14.9
1938	1,367	19.4	15.1

APPENDIX 2. NATURAL INCREASE OF POPULATION.

The natural increase of population was 470.

RATES OF NATURAL INCREASE, PER 1,000 POPULATION.

1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
5.2	10.1	6.5	8.2	5.7	6.8	7.1	5.7	5.3	6.6

APPENDIX 3—THE DEATHS AS THEY OCCURRED IN THE WARDS.

CAUSE OF DEATH	WARDS								Trans-ferable deaths	Total
	North	West	Park	So. West	So. East	Central	N. East	Seaton		
Enteric Fever ... ..	...	...	1	...	...	...	...	...	...	1
Measles	2	...	1	2	2	3	...	1	...	11
Diphtheria	4	...	...	...	2	1	2	2	...	11
Influenza	1	1	4	1	1	...	1	1	...	10
Encephalitis Lethargica ...	...	1	...	...	...	...	...	...	...	1
Meningococcal Meningitis	...	...	...	...	...	1	1	...	...	2
Tuberculosis of										
respiratory system ...	12	3	4	5	2	6	1	6	4	43
Other tuberculous diseases	...	...	1	2	1	4	1	1	2	12
Cancer, malignant disease	20	9	10	14	12	19	11	11	6	112
Diabetes	1	3	3	2	1	...	...	1	1	12
Heart Disease	22	25	26	33	18	40	21	21	6	212
Bronchitis	2	2	1	3	3	5	2	1	1	20
Pneumonia (all forms) ...	8	7	8	9	9	13	7	2	2	65
Other respiratory diseases	1	1	...	...	1	...	3	1	...	7
Ulcer of stomach or										
duodenum ... ..	...	1	4	2	...	1	...	...	3	11
Diarrhoea, etc. ... ..	...	...	1	1	2	...	1	1	...	6
Appendicitis and typhlitis	...	1	1	...	...	...	...	...	1	3
Acute and chronic nephritis	3	...	5	3	3	4	2	6	...	26
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...	1	1
Accidents and diseases										
of parturition and										
pregnancy ... ..	...	1	...	1	1	...	...	...	...	3
Congenital debility and										
malformation, including										
premature birth ...	5	5	...	4	7	10	3	5	1	40
Suicide ... ..	...	...	1	4	...	...	...	1	2	8
Other deaths from violence	9	3	3	5	2	7	2	2	1	34
Other defined diseases ...	36	23	27	35	15	39	19	20	27	241
Causes ill-defined or										
unknown... ..	...	...	...	...	1	...	2	1	1	5
TOTAL DEATHS ...	126	86	101	126	83	153	79	84	59	897

APPENDIX 4—TABLE SHEWING CAUSES OF, AND AGES AT DEATH.

CAUSE OF DEATH	Deaths at the subjoined ages of "Residents" whether occurring within or without the Borough.										Total deaths whether of "Residents or Non-residents" in Institutions in the district	Increase or Decrease as compared with 1937.
	ALL AGES	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and under 75	75 and upwards.		
Enteric Fever ...	1	...	...	...	...	...	...	...	1	...	1	+ 1
Smallpox ...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	11	1	6	4	...	...	...	...	...	...	4	+11
Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	— 1
Whooping Cough ...	...	...	...	...	...	...	...	...	...	...	...	— 8
Diphtheria ...	11	...	1	2	7	1	...	...	...	...	9	+ 2
Influenza ...	10	...	...	...	...	...	1	5	2	2	1	—21
Encephalitis Lethargica	1	...	...	...	...	...	...	1	...	...	1	— 2
Meningococcal meningitis	2	...	...	...	2	...	...	...	...	...	1	+ 2
Tuberculosis of the respiratory system ...	43	...	...	...	2	8	21	11	1	...	8	—11
Other tuberculous diseases ...	12	1	1	...	...	2	7	...	1	...	7	— 1
Cancer, malignant disease... ..	112	...	...	...	...	...	5	52	42	13	34	+ 9
Syphilis ...	1	1	...	...	...	...	...	...	...	...	...	— 1
Diabetes ...	12	...	...	...	...	1	...	5	4	2	8	— 6
Cerebral haemorrhage, etc. ...	61	...	...	...	...	...	2	18	29	12	24	+ 6
Heart disease ...	212	...	...	...	2	1	14	49	82	64	49	— 5
Bronchitis ...	20	8	...	1	...	...	...	4	1	6	1	—21
Pneumonia (all forms) ...	65	17	5	4	2	2	4	22	5	4	21	+ 1
Other respiratory diseases ...	7	1	...	...	...	...	...	5	1	...	4	— 3
Ulcer of stomach or duodenum ...	11	...	...	...	...	...	6	3	1	1	6	same
Diarrhoea, etc. ...	6	4	...	...	...	...	...	1	1	...	...	— 2
Appendicitis and typhlitis ...	3	...	...	...	...	1	1	...	1	...	2	+ 2
Cirrhosis of liver ...	...	...	...	...	...	...	...	...	...	...	...	— 1
Acute and chronic nephritis ...	26	1	...	...	...	1	3	10	7	4	6	+ 6
Puerperal sepsis... ..	1	...	...	...	...	...	1	...	...	...	...	+ 1
Other accidents and diseases of parturition and pregnancy ...	3	...	...	...	...	1	2	...	...	...	3	+ 1
Congenital debility and malformation, including premature birth	40	39	...	...	1	...	...	...	...	...	8	+ 1
Suicide ...	8	...	...	...	...	...	3	2	3	...	2	— 7
Other deaths from violence ...	34	1	2	1	3	4	7	7	3	6	18	— 5
Other defined diseases ...	179	6	...	3	9	2	14	49	36	60	62	+28
Causes ill-defined or unknown ...	5	...	...	1	...	1	...	2	1	2	...	— 3
TOTAL DEATHS...	897	80	15	16	28	25	91	246	222	174	280	—27

APPENDIX 5.

WEEKLY RETURN OF DEATHS FROM CHEST DISEASES.

Week ending :

Disease	1st Jan.	8th Jan.	15th Jan.	22nd Jan.	29th Jan.	5th Feb.	12th Feb.	19th Feb.	26th Feb.	5th Mar.	12th Mar.	19th Mar.	26th Mar.	2nd Apl.	9th Apl.	16th Apl.	23rd Apl.	30th Apl.	7th May	14th May	21st May	28th May	4th June	11th June	18th June	25th June	2nd July
Influenza ...	...	...	1	4	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis ...	...	1	3	1	...	1	...	...	2	4	1	1	2	...	...	1	1	3	...	1	...	...	1	...	1	1	1
Bronchitis ...	1	1	4	1	...	1	...	...	...	2	...	1	...	...	...	...	...	1	...	1	1	...	...	...	...	...	...
Pneumonia	...	3	3	3	1	...	1	2	...	1	2	3	2	...	2	1	4	2	3	3	3	2	1	1	1	...	1
Heart Disease	...	11	2	4	5	7	6	5	2	2	10	3	2	5	7	3	4	3	2	7	2	5	7	1	6	3	2
Other Respiratory Diseases ...	...	...	...	...	1	...	...	...	...	...	1	1	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Totals ...	1	16	13	13	8	10	8	7	4	9	14	9	6	5	9	5	9	9	5	12	8	7	9	2	8	4	4

Week ending :

Disease	9th July	16th July	23rd July	30th July	6th Aug.	13th Aug.	20th Aug.	27th Aug.	3rd Sept.	10th Sept.	17th Sept.	24th Sept.	1st Oct.	8th Oct.	15th Oct.	22nd Oct.	29th Oct.	5th Nov.	12th Nov.	19th Nov.	26th Nov.	3rd Dec.	10th Dec.	17th Dec.	24th Dec.	31st Dec.	Total
Influenza ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	10
Phthisis ...	1	...	...	1	...	...	...	...	...	1	1	1	1	...	...	2	1	2	1	...	1	...	3	1	...	...	43
Bronchitis ...	1	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...	...	...	2	...	...	...	...	...	20
Pneumonia	1	...	1	...	1	2	...	...	1	1	...	1	...	1	1	...	1	1	1	1	1	2	1	...	3	...	65
Heart Disease	3	3	6	2	1	2	5	5	3	2	2	3	8	2	4	3	1	3	3	3	4	1	6	9	5	6	212
Other Respiratory Diseases ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	7
Totals ...	6	3	7	3	2	4	5	5	4	4	5	5	9	4	5	5	3	7	6	4	8	3	10	10	10	6	357

APPENDIX 6.—DEATHS.

	West Hartle- pool.	WARDS								Transferable deaths.
		North	West	Park	S. West	S. East	Central	N. East	Seaton	
Estimated population	70,360	10,560	7,580	8,530	10,200	9,101	10,340	7,770	6,279	...
No. of deaths	897	126	86	101	126	83	153	79	84	59
Crude Death rates	12.75	11.9	11.3	11.8	12.3	9.1	14.8	10.2	13.4	...
Percentage of total deaths	...	14.0%	9.6%	11.3%	14.0%	9.3%	17.0%	8.8%	9.4%	6.6%

DEATH RATES.

Year	West Hartlepool		England & Wales Death rate
	No. of Deaths	Death rate	
1929	1,089	15.6	13.4
1930	824	11.8	11.4
1931	973	14.2	12.3
1932	844	12.0	12.0
1933	892	12.6	12.0
1934	873	12.2	11.8
1935	933	13.0	11.7
1936	903	12.7	12.1
1937	924	13.1	12.4
1938	897	12.7	11.6

APPENDIX 7.—TRANSFERABLE DEATHS.

INSTITUTION.						MALES	FEMALES	TOTAL
Hartlepoons Hospital, Hartlepool	...	...				16	7	23
Royal Victoria Infirmary, Newcastle-on-Tyne	...					5	1	6
York City Mental Hospital, Fulford	...	...				1	2	3
Gateshead Mental Hospital, Stannington	...					4	...	4
Other areas	...	...	...	...	...	17	6	23
Totals						43	16	59

APPENDIX 8.

CANCER DEATHS.

Year	No. of deaths	Males	Females	Death rate	Deaths from all causes	Percentage of total deaths
1929	104	48	56	1.48	1,089	9.5
1930	95	39	56	1.3	824	11.5
1931	88	41	47	1.28	973	9.1
1932	102	62	40	1.46	844	12.1
1933	97	51	46	1.38	892	10.8
1934	119	62	57	1.66	873	13.6
1935	107	61	44	1.49	933	11.7
1936	103	66	37	1.45	903	11.4
1937	103	51	52	1.47	924	11.1
1938	112	54	58	1.59	897	12.5

APPENDIX 9.

CANCER DEATHS—PARTS OF BODY AFFECTED.

Parts affected	Age Sex	Under 35		35 to 45		45 to 55		55 to 65		65 to 75		Over 75		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
Peritoneum, Intestines and Rectum	1	...	2	2	5	7	9	8	2	2	19	19
Stomach, Liver, etc.	1	...	5	1	6	6	9	9	1	...	22	16
Reproductive Organs	1	...	2	...	...	...	1	...	2	...	3	...	9
Breast	1	...	5	...	1	...	2	...	9
Other Glands	2	...	...	1	...	...	2	1
Mouth	3	...	...	...	1	...	4	...
Bones	1	...	...	2	...	...	1	2
Other Parts	1	4	...	1	...	1	1	6	2
Totals	1	2	2	7	5	21	19	19	23	5	8	54	58

The deaths were ascribed to :—

			No. of deaths.
Carcinoma	...	...	85
Sarcoma	...	...	4
Epithelioma	...	...	3
Cancer (no classification)			20
	Total	...	112

APPENDIX 10.—INFANTILE MORTALITY RATES.

Year	West Hartlepool			England & Wales Rate
	Births	Deaths	Rate	
1929	1,455	166	114	74
1930	1,528	83	54	60
1931	1,422	136	96	66
1932	1,415	126	89	65
1933	1,298	99	76	64
1934	1,357	92	67	59
1935	1,447	127	87	57
1936	1,304	70	53	59
1937	1,296	81	62	58
1938	1,367	80	58	53

APPENDIX 11.—INFANT MORTALITY IN THE WARDS.

DISEASE.			North	West	Park	S. West	S. East	Central	N. East	Seat'n	Trans- ferable deaths	Total
Bronchitis ...	...	...	1	...	...	...	...	5	1	1	...	8
Pneumonia	...	...	3	2	2	2	1	6	1	...	...	17
Debility ...	...	...	2	...	...	1	3	1	...	1	1	9
Marasmus ...	...	...	1	1	...	...	...	4	1	...	...	7
Premature Births ...	...	...	...	3	...	2	3	4	2	3	1	18
Convulsions	...	...	1	1	...	...	1	1	...	1	...	5
Diarrhoea and Enteritis	...	...	...	...	1	...	2	...	1	...	...	4
All other causes	...	...	2	...	...	1	2	3	...	1	3	12
Total	...	...	10	7	3	6	12	24	6	7	5	80

APPENDIX 12.**MARRIAGES.**

Year	Number of marriages			Marriage rate
1929	...	644	...	18.6
1930	...	639	...	18.5
1931	...	573	...	16.8
1932	...	659	...	18.8
1933	...	673	...	19.0
1934	...	701	...	19.3
1935	...	638	...	17.8
1936	...	649	...	18.3
1937	...	644	...	18.3
1938	...	599	...	17.08

APPENDIX 13.—INFANT MORTALITY DURING THE YEAR.

Deaths from stated causes at various ages under 1 year of age.

CAUSE OF DEATH	Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total under 4 weeks	1 month & under 3 months	3—6 months	6—9 months	9—12 months	Total deaths under 1 year
Measles ...	...	...	...	...	...	...	1	...	...	1
Abdominal Tuberculosis	...	...	...	...	...	...	...	...	1	1
Nephritis	...	...	...	...	...	...	...	1	...	1
Bronchitis	...	...	2	...	2	...	3	3	...	8
Pneumonia	...	...	...	...	...	2	6	5	4	17
Other Respiratory Diseases	1	...	...	...	1	...	...	...	...	1
Diarrhoea	...	1	...	...	1	...	2	1	...	4
Premature Birth	13	...	2	1	16	2	...	...	...	18
Marasmus	1	2	1	...	4	2	1	...	...	7
Convulsions	1	1	...	...	2	2	...	1	...	5
Debility	4	1	2	...	7	2	...	...	...	9
All other Causes	2	...	...	1	3	3	2	...	...	8
Totals ...	22	5	7	2	36	13	15	11	5	80
(Certified ...	19	5	7	2	33	13	15	10	5	76
{Uncertified	3	...	...	...	3	...	...	1	...	4

APPENDIX 14.

MIDWIVES ACT, 1902, SEC. 8 (5).

MIDWIVES ON ROLL, 1938.

No. on Midwives Roll.	Date of Certificate	Name	Address
MUNICIPAL MIDWIVES :—			
56187	11th February, 1922	Isabella Batey	24 Bright Street
93510	14th August, 1935	Eva Booth	93 Oxford Road
39605	21st February, 1914	Mary Gertrude Craven	13 Kendal Road
90631	11th August, 1934	Kathleen F. M. Gallimore	103 Westbourne Rd.
72784	25th February, 1928	Harriet Elizabeth Hutchinson	9 Windermere Road
67863	12th December, 1925	Olwen Kay	247 York Road
63984	9th August, 1924	Esther King	42 Tower Street
69658	14th August, 1926	Catherine Foley Montgomerie	41 Collingwood Road
70171	16th December, 1926	Miriam Peart	191 Alma Street
67935	12th December, 1925	Bessie Phillips	19 Elwick Road
74766	24th November, 1928	Winifred Pickering	56 Sydenham Road
73652	25th May, 1928	Sarah Walker	15 Milton Road
MIDWIVES IN PRIVATE PRACTICE :—			
42359	21st June, 1915	Annie Florence Bulmer	66 Ashgrove Avenue
46066	11th August, 1917	Helen Maude Granger	10 Windermere Road
74779	24th November, 1928	Alice Annie Myers	8 Marston Gardens
77357	7th November, 1929	Ellen Varcare	37 Clifton Avenue
58166	9th August, 1922	Gladys Maud Wilkinson	72 Wansbeck Gdns.
MIDWIVES IN INSTITUTIONS :—			
92654	25th May, 1935	Rose Margaret Askey	Howbeck Infirmary
89686	26th May, 1934	Eva Chapman	Howbeck Infirmary
46773	9th February, 1918	Martha J. S. Crone	Howbeck Infirmary
99021	13th May, 1937	Matilda Alice Clark	Howbeck Infirmary
39053	1st November, 1913	Margaret Jane Leng	Howbeck Infirmary
100166	14th August, 1937	Dorothy Marshall	Howbeck Infirmary
86930	27th May, 1933	Emily Mallaburn	Howbeck Infirmary
102902	21st May, 1938	Margaret Tunney	Howbeck Infirmary
95845	23rd May, 1936	Edna Bell	Grantully Maternity Home
78730	16th August, 1930	Martha Brownlee	Grantully Maternity Home

63269	14th June, 1924	Elsie Margaret Chapman	Grantully Maternity Home
99936	8th August, 1937	Doris Dudgeon	Grantully Maternity Home
47976	9th November, 1918	Emily Elstob	Grantully Maternity Home
84500	13th August, 1932	Hilda Green	Grantully Maternity Home
102591	21st May, 1938	Winifred Lamb	Grantully Maternity Home
12396	5th June, 1936	Henrietta Readman	
(Scotland)			Grantully Maternity Home
94843	23rd November, 1935	Isabel Scott	Grantully Maternity Home
98067	21st November, 1936	Doris May Watt	Grantully Maternity Home
5581	31st July, 1923	Jessie Wight	Grantully Maternity Home
(Scotland)			
77429	6th January, 1930		
(England)			

APPENDIX 15.
PUBLIC ABATTOIR.

Animals Slaughtered at Abattoir.

YEAR	BEASTS	SHEEP	CALVES	PIGS	TOTAL
1929	3670	9919	481	7089	21,159
1930	3719	9925	425	5520	19,589
1931	3463	9454	318	6469	19,704
1932	3609	12352	297	9324	25,582
1933	4465	14219	419	9458	28,561
1934	4581	13556	728	8772	27,637
1935	4839	11429	1056	9231	26,555
1936	5538	11135	1187	9769	27,629
1937	5157	8555	736	9510	23,958
1938	4426	11067	694	8544	24,731

Year			Total Cattle slaughtered (including calves)	Number affected with tuberculosis	Percentage affected	Total number of Pigs slaughtered	Number affected with tuberculosis	Percentage affected
1929	...	...	4151	89	2·14	7089	23	0·32
1930	...	...	4144	103	2·48	5520	13	0·24
1931	...	...	3781	95	2·51	6469	7	0·10
1932	...	...	3906	97	2·48	9324	25	0·27
1933	...	...	4884	119	2·43	9458	93	0·87
1934	...	...	5319	203	3·82	8772	103	1·17
1935	...	...	5895	151	2·56	9231	54	0·58
1936	...	...	6725	128	1·91	9768	70	0·69
1937	...	...	5157	122	2·36	9510	51	0·53
1938	...	...	5120	84	1·64	8544	56	0·65

CARCASSES INSPECTED AND CONDEMNED.

	Cattle ex- cluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed (if known)	4426		694	11067	8544
Number inspected ...	4426		694	11067	8544
All diseases except tuber- culosis. Whole carcasses condemned	—	—	—	11	2
Carcases of which some part or organ was con- demned	202	142	1	227	127
Percentage of the inspect- ed affected with disease other than tuberculosis	7.77		.14	2.14	1.51
Tuberculosis only. Whole carcasses condemned	6	6	1	—	2
Carcases of which some part or organ was con- demned	17	54	—	—	54
Percentage of the num- ber inspected affected with tuberculosis ...	1.87		.14	—	.65

APPENDIX 16.

FOOD SURRENDERED AND DESTROYED.

1 Fore-end Bacon (weight 12 lbs. 10 ozs.)
 352 tins of Meat, Fruit, Milk, Cream, Soups, etc.

APPENDIX 17.

SALE OF FOOD AND DRUGS ACTS—ADULTERATED SAMPLES—ACTION TAKEN.

Article Purchased					Number Analysed	Formal Samples	Informal Samples	Number Genuine	Number Adulter- ated.	No. of Sample	Nature of Adulteration	Remarks and Action Taken
Milk	...	...	...	...	91	25	66	63	28	393	Below Standard in fat	Formal sample No. 400 and 'Course of Delivery' samples Nos. 398 and 399 taken. Producer cautioned.
										400	*Below standard in non-fatty solids	
										398	*Below standard in non-fatty solids	
										399	*Below standard in non-fatty solids	
											*Deficiencies not due to the addition of water	
										405	Below standard in fat	No action taken
										406	Below standard in fat	Formal sample No. 419 taken—genuine.
										407	Below standard in fat	Formal sample No. 418 taken.
										418	Below standard in fat	'Course of delivery' sample No. 420 taken
										420	Below standard in fat	'Appeal to Cow' sample No. 1A taken.
										1A	Below standard in fat	No further action.
										440	Below standard in fat	Formal sample No. 462 taken.
										462	Below standard in fat	'Course of delivery' samples Nos. 473 and 474 taken.
										473	Below standard in fat	Appeal to Cow" samples A1 and A2 taken.
										474	Of genuine quality but below standard	Producer cautioned.
										A1	Below standard in fat	
										A2	Below standard in non-fatty solids	
										465	Below standard in fat	
										479	Below standard in fat	
										478	Below standard in fat	Formal sample No. 493 taken
										493	Below standard in non-fatty solids and of doubtful quality	Vendor cautioned.
										486	Below standard in fat	Formal samples Nos. 495 and 496 taken.
										495	*Below standard in non-fatty solids	
										496	*Below standard in non-fatty solids	
											*Deficiencies due to some cause other than the addition of water. Samples must be regarded as being of genuine quality but below standard	
										500	Deficient in non-fatty solids to an extent which corresponds to the addition of 11.90% of water	
										503	Deficient in non-fatty solids to an extent which corresponds to the addition of 11.70% of water	'Course of delivery' sample No. 508 taken.
										508	Deficient in non-fatty solids to an extent which corresponds to the addition of 8% of water	Farmer cautioned.
										504	Slightly below standard in non-fatty solids. Deficiency due to some cause other than the addition of water. The sample is of genuine quality but below standard.	Farmer cautioned
										506	Below standard in fat	Farmer cautioned
Butter	...	...	...	...	5	...	5	5	...	...	...	...
Margarine	...	...	...	...	4	...	4	4	...	...	...	...
Cream	...	...	...	...	1	...	1	1	...	...	...	...
Cream (tinned)	...	...	...	...	2	...	2	2	...	...	...	...
Milk (tinned)	...	...	...	...	4	...	4	4	...	...	...	...
Lard	...	...	...	...	5	...	5	5	...	...	...	...
Cheese	...	...	...	...	1	...	1	1	...	...	...	...
Ice-cream	...	...	...	...	4	...	4	4	...	...	...	...
Sugar	...	...	...	...	3	...	3	3	...	...	...	...
Pepper	...	...	...	...	1	...	1	1	...	...	...	...
Rice	...	...	...	...	3	...	3	3	...	...	...	...
Cornflour	...	...	...	...	1	...	1	1	...	...	...	...
Tea	...	...	...	...	5	2	3	1	4	426	Sample of doubtful quality	Formal sample No. 438 taken Vendor asked to explain the unsatisfactory quality of sample. Formal sample No. 458 taken.
										438	Sample of doubtful quality	
										445	Sample contained foreign ingredients to the extent of not less than 11.00%	
										458	Sample contained foreign ingredients to the extent of not less than 10.0%	
Coffee	...	...	...	...	2	...	2	2	...	...	...	...
Baking Powder	...	...	...	...	2	...	2	2	...	...	...	...
Custard Powder	...	...	...	...	1	...	1	1	...	...	...	...
Self Raising Flour	...	...	...	...	1	...	1	1	...	...	...	...
Mixed dried fruit	...	...	...	...	1	...	1	1	...	...	...	...
Loaf Bread	...	...	...	...	1	...	1	...	...	...	...	...
Biscuits	...	...	...	...	1	...	1	1	...	...	...	...
Christmas Pudding	...	...	...	...	1	...	1	1	...	...	...	...
Raspberry Jam	...	...	...	...	2	...	2	1	1	457	Sample contained no less than 30.00% Apple pulp	Formal samples Nos. 459 (Straw. berry and 460 (Blackcurrant) taken—Proceedings instituted against Vendor. Vendor fined £1 in each case, and costs £5 15s. 6d.
Strawberry Jam	...	...	...	...	3	1	2	2	1	459	Sample contained no less than 30.00% Apple pulp	
Blackcurrant Jam	...	...	...	...	1	1	...	...	1	460	Sample contained no less than 20.00% Apple pulp	
Marmalade	...	...	...	...	1	...	1	1	...	...	...
Vinegar	...	...	...	...	4	1	3	3	1	456	Sample deficient in Acetic Acid to extent of not less than 5.00%	
Peas (tinned)	...	...	...	...	2	...	2	2	...	...	...	...
Plums (tinned)	...	...	...	...	1	...	1	1	...	...	...	...
Prawns	...	...	...	...	1	...	1	1	...	...	...	...
Crab (tinned)	...	...	...	...	1	...	1	1	...	...	...	...
Pickle	...	...	...	...	1	...	1	1	...	...	...	...
Sausage	...	...	...	...	7	...	7	7	...	...	...	...
Chicken, Ham and Tongue Paste	...	...	...	...	1	...	1	1	...	...	...	...
Turkey and Tongue Paste	...	...	...	...	1	...	1	1	...	...	...	...
Bicarbonate of Soda	...	...	...	...	1	...	1	1	...	...	...	...
Cream of Tartar	...	...	...	...	1	...	1	1	...	...	...	...
Olive Oil	...	...	...	...	1	...	1	1	...	...	...	...
Paregoric	...	...	...	...	1	...	1	1	...	...	...	...
Camphorated Oil	...	...	...	...	1	...	1	1	...	...	...	...
Rum	...	...	...	...	5	1	4	4	1	539	39.58 degrees under proof	Formal sample taken—genuine.
Whisky	...	...	...	...	2	...	2	2	...	...	...	...
Gin	...	...	...	...	3	1	2	...	3	538	36.52 degrees under proof	Formal sample No. 547 taken. Vendor cautioned No further action.
										547	35.15 degrees under proof	
										544	35.28 degrees under proof	
Ruby Wine	...	...	...	...	1	...	1	1	...	...	...	...
Brandy	...	...	...	...	1	...	1	1	...	...	...	...
Beer	...	...	...	...	1	...	1	1	...	...	...	...

NOTIFIED CASES OF INFECTIOUS DISEASES, 1917—1938.

Disease	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
Smallpox	35	11	4	1	...	...	...	...	...	...	...	...	...	...
Chickenpox	252 ^a	117 ^b	394	674	339	78 ^d	...	...	...	...	...	...	...	...
Scarlet Fever	254	242	138	136	95	130	164	91	189	467	375	177	180	221
Diphtheria (including Membranous Croup)	41	52	97	108	140	160	48	21	73	100	203	248	114	128
Erysipelas	27	26	19	31	31	42	28	20	28	49	35	37	36	60
Enteric Fever	2	...	4	1	39	25	17	2	29	4	9	3	2	2
Puerperal Fever	5	3	3	4	4	1	1	2	3	2	15	1	1 ^e	^e
Puerperal Pyrexia	11	17	19	10	11	7	12	9	8	12	8	17 ^f	16 ^f
Cerebro-Spinal Meningitis	2	11	10	4	1	2	...	2
Poliomyelitis	1	...	...	...	...	...	...	1	2	...	...	...	...	5
Pulmonary Tuberculosis	66
Other Forms of Tuberculosis	89	104	113	99	81	105	100	83	84	74	76	104	111	66
Ophthalmia Neonatorum	70	97	68	83	81	73	67	88	61	50	49	50	38	31
Measles	14	22	11	22	17	10	14	15	7	16	19	27	31	24
Encephalitis Lethargica	^c	^c	^c	^c	^c	^c	^c	^c	^c	^c	^c	^c	^c	^c
Polioencephalitis	1	2	2	1	3	2	1	2	1	1	...	...	1	4
Dysentery
Malaria
Pneumonia
Acute Encephalitis
Totals ...	2068	2332	1282	701	552	492	538	820	1005	775	1189	1450	1145	818	668	504	635	907	920	790	684	707

^a—Notifiable for 6 months of year.
^e—Notifiable to 2/10/37.

^b—Notifiable from 29/9/26.
^f—Including from 3/10/37 onwards cases previously notifiable as Puerperal Pyrexia.

^c—No longer notifiable.
^d—Notifiable for 3 months of year

APPENDIX 19.—NOTIFIABLE DISEASES DURING THE YEAR.
HOSPITAL TREATMENT.

DISEASE.						Total cases notified	No. of such cases treated in Hospital.	Total deaths.
Scarlet Fever	...	...	...	...	...	221	131	...
Diphtheria	...	...	...	...	...	128	121	11
Enteric Fever	...	...	...	...	...	2	2	1
Puerperal Pyrexia	...	...	...	...	...	16	8	...
Ophthalmia Neonatorum	...	...	...	...	...	24	12	...
Pneumonia	...	...	...	...	...	147	26	65
Erysipelas	...	...	...	...	...	60	19	...
Encephalitis Lethargica	...	...	...	...	...	4	3	1
Cerebro-Spinal Fever	...	...	...	...	...	2	1	2
Acute Poliomyelitis	...	...	...	...	...	5	3	2

Disease	HOSPITAL					Total
	Isolation Hospital	Howbeck Infirmary	Grantully Maternity Home	Cameron Hospital	H'pools Hospital	
Scarlet Fever ...	131	2(a)	—	1(b)	—	131
Diphtheria ...	121	5(c)	—	5(d)	—	121
Enteric Fever ...	2	—	—	—	—	2
Puerperal Pyrexia	4	4	2(e)	—	—	8
Ophthalmia						
Neonatorum ...	—	9	3	—	—	12
Pneumonia ...	1	13	—	13(f)	—	26
Erysipelas ...	6	13	—	2(g)	—	19
Encephalitis						
Lethargica ...	2	1	—	—	—	3
Cerebro-Spinal						
Fever	1	—	—	—	—	1
Acute Poliomyelitis	1	2	—	—	—	3

Disease	Cases			Vision un-impaired	Vision impaired	Total blind-ness	Deaths
	Notified	Treated					
		At home	Hospital				
Ophthalmia Neonatorum	24	12	12	24	...	...	...

- (a) Two cases transferred from Howbeck Infirmary to Isolation Hospital.
- (b) One case transferred from Cameron Hospital to Isolation Hospital.
- (c) Five cases transferred from Howbeck Infirmary to Isolation Hospital.
- (d) Five cases transferred from Cameron Hospital to Isolation Hospital.
- (e) Two cases transferred from Grantully Maternity Home to Isolation Hospital.
- (f) One case transferred from Cameron Hospital to Isolation Hospital.
- (g) Two cases transferred from Cameron Hospital to Isolation Hospital.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES—NOTIFIED CASES, 1938.

DISEASE.	Cases notified in whole district.														No. of cases treated in hospital	Total deaths in the Borough						
	At All ages	At age groups—years.																				
		Un-der 1	At age groups—years.																			
			1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65	65 and up									
Scarlet Fever	221	2	9	14	15	89	43	20	24	3	2	...	53	25	34	41	13	10	14	31	131	...
Diphtheria ...	128	1	3	13	8	61	26	10	5	1	...	...	20	8	11	22	16	19	18	14	121	11
Enteric Fever	2	...	...	...	...	...	...	...	14	...	...	...	1	...	1	...	...	...	...	...	2	1
Puerperal Pyrexia	16	...	...	...	...	...	...	...	...	2	...	...	2	5	...	...	3	3	...	...	8	...
Ophthalmia Neonatorum	24	...	...	...	...	...	...	...	...	...	...	...	...	8	3	1	4	1	2	2	12	...
Pneumonia	147	8	10	7	8	20	8	9	15	9	36	14	22	16	24	20	28	13	9	15	26	65
Erysipelas ...	60	1	...	1	...	1	...	4	10	15	16	12	19	8	6	3	6	5	5	8	19	...
Encephalitis Lethargica	4	...	...	...	...	1	1	...	...	1	1	...	...	1	...	1	...	...	1	...	3	1
Cerebro-spinal Fever	2	...	...	...	...	1	1	...	1	...	...	...	2	...	...	2	...	...	...	...	1	2
Acute Poliomyelitis	5	...	...	1	...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	...	3	2
Malaria	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis	66	...	...	...	...	1	8	5	30	9	12	1	...	5	7	...	7	11	9	8	...	44
Non-pulmonary Tuberculosis	31	1	...	...	1	5	7	1	8	4	1	1	4	2	...	4	10	6	2	3	....	12
Totals ...	707	34	15	16	32	180	94	50	108	45	68	29	143	73	86	105	84	71	60	85	326	138

APPENDIX 21.

ALL NOTIFIED CASES OF TUBERCULOSIS, 1938.

AGE	Lungs			Abdomen			Meninges			Joints			Spine			Other Organs			Disseminated			All Forms		
	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total
Under 1 year	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
1 and under 2	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2
2—3
3—4
4—5
5—10
10—15
15—20
20—25
25—35
35—45
45—55
55—65
Over 65
Totals	33	33	66	11	2	13	...	2	2	4	4	8	2	1	3	3	2	5	...	...	...	53	44	97

APPENDIX 22.

TUBERCULOSIS—New Cases and Mortality during 1938.

AGE PERIODS		NEW CASES				DEATHS			
		Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
		M	F	M	F	M	F	M	F
0	...	...	...	1	...	...	...	1	...
1 year	...	...	...	2	1	...	...	1	...
5 years	...	...	1	4	1	...	1	...	...
10 „	...	4	4	4	3	...	1	...	...
15 „	...	2	3	...	1	1	2	...	...
20 „	...	4	8	1	1	4	1	...	2
25 „	...	11	7	3	3	4	8	3	1
35 „	...	4	5	4	...	4	6	2	1
45 „	...	6	2	1	...	5	2	...	...
55 „	...	2	2	...	...	3	1	...	...
65 „ and upwards	...	...	1	...	1	...	1	...	1
Totals	...	33	33	20	11	21	23	7	5

APPENDIX 23.

TUBERCULOSIS—Number of cases on the Register on the 31st Dec., 1938.

PULMONARY.			NON-PULMONARY.			TOTAL CASES
Males	Females	Total	Males	Females	Total	
131	111	242	79	85	164	406

APPENDIX 24.

DEATHS FROM TUBERCULOSIS.

Interval between Notification and Death.

Period	PARTS AFFECTED					TOTAL
	Lungs	Bones	Meninges	Abdominal	General	
Not notified ...	3	...	...	1	2	6
0—1 week ...	4	...	2	3	...	9
1—4 weeks ...	4	...	1	1	1	7
1—3 months ...	4	...	...	...	...	4
3—6 months ...	4	...	...	...	...	4
6—12 months ...	6	...	...	...	...	6
1—2 years ...	13	...	...	...	...	13
2—5 years ...	5	...	...	...	...	5
Over 5 years ...	1	1	...	...	...	2
Totals ...	44	1	3	5	3	56

The ratio of non-notified to notified tuberculosis deaths was 6 to 56. In each case the doctor in question was communicated with, and opportunity given for any explanation as to why the case was not notified. In the majority of the cases satisfactory information was received.

APPENDIX 25.

BIRTH RATE, DEATH RATE AND ANALYSIS OF MORTALITY DURING 1938.

	Rate per 1,000 total population		Annual Death Rate per 1,000 Population.								Rate per 1,000 Live Births		Percentage of Total Deaths.			
	Live Births	Still-Births	All Causes	Enteric Fever	Smallpox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Diarrhoea and Enteritis (under 2 years)	Total Deaths under 1 year.	Certified by Registered Medical Practitioners	Inquest Cases	Certified by Coroner after P.M. no Inquest	Uncertified Causes of Death
England and Wales ...	15·1	0·60	11·6	0·00	0·00	0·04	0·01	0·03	0·07	0·11	5·5	53	·	·	·	·
126 County Boroughs and Great Towns, including London ...	15·0	0·65	11·7	0·00	0·00	0·05	0·01	0·03	0·07	0·10	7·8	57	·	·	·	·
148 Smaller Towns (estimated resident populations 25,000— 50,000 census 1931)	15·4	0·60	11·0	0·00	0·00	0·03	0·01	0·02	0·06	0·11	3·6	51	·	·	·	·
London ...	13·4	0·48	11·4	0·00	0·00	0·06	0·01	0·03	0·05	0·06	15·1	57	·	·	·	·
West Hartlepool ...	19·43	0·68	14·15	0·00	0·00	0·15	0·00	0·00	0·15	0·14	2·9	58	91·5	2·2	3·2	3·1
			Crude 12·75													

APPENDIX 26.

FACTORY AND WORKSHOP ACT, 1901.
 FACTORIES ACT, 1937.

INSPECTIONS FOR PURPOSES OF PROVISIONS AS TO HEALTH, INCLUDING
 INSPECTIONS MADE BY SANITARY INSPECTORS.

Premises. (1)	Number of		
	Inspections (2)	Written notices (3)	Prosecutions (4)
Factories with mechanical power	92	18	—
Factories without mechanical power	51	7	—
Other premises under the Act, including works of building and engineering construction but not including outworkers' premises...	8	2	—
Total	151	27	—

DEFECTS FOUND.

PARTICULARS. (1)	Number of defects.			Number of Defects in respect of which prose- cutions were instituted (5)
	Found (2)	Remedied (3)	Referred to H.M. Inspector (4)	
Want of cleanliness	13	13	—	—
Overcrowding	—	—	—	—
Unreasonable temperature	—	—	—	—
Inadequate ventilation	2	1	1	—
Ineffective draining of floors	—	—	—	—
Sanitary Conveniences :				
Insufficient	3	3	—	—
Unsuitable or defective	13	13	—	—
Not separate for sexes	—	—	—	—
Other offences	3	3	—	—
(not including offences relating to Home Work or offences under the Sections men- tioned in the Schedule to the Ministry of Health (F. & W. Transfer of Powers) Order 1921, and re-enacted in the Third Schedule to the Factories Act, 1937)				
Totals	34	33	1	—